

REMARKS

Claims 1 to 53 were pending in the application at the time of examination. Claims 1 to 8, 11, 12, 14, 15, 17 and 53 stand rejected as anticipated. Claims 9, 10, 13, and 18 to 52 stand rejected as obvious.

Claim 1 is amended to include the limitations of Claims 1, 6 and 8, and Claims 6 and 8 are cancelled.

Claims 2 and 3 are amended to obtain better consistency between the specification and the claims.

Claim 4 is amended to remove a typographic error that was inadvertently made in the prior response.

Claim 18 is amended to include the limitations of Claims 21 to 23 and 25 and in addition the submapping rules recited in Claim 1 were added. Claims 21 to 23 and 25 were cancelled.

Claim 35 is amended to include new limitations equivalent to those added in Claim 18.

Claim 36 is amended to include the limitations of Claims 39 to 41 and 43 and in addition the submapping rules recited in Claim 1 were added. Claims 39 to 41 and 43 were cancelled.

Claim 53 is amended to include new limitations equivalent to those added in Claim 1.

Claims 24 and 42 are amended to correct an informality created by the cancellation of the claims from which they depended.

Claims 1 to 8, 11, 12, 14, 15, 17, and 53 stand rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,718,388, hereinafter referred to as Yarborough. The rejection stated in part:

A client proxy device adapted to receive a request of a client data processing device to access at least one network server (Column 6, lines 23-38);

Thus, Applicants interpret the rejection as stating that the public proxy server (PPS) teaches exactly the client proxy device. Yarborough taught:

Next, using the main proxy control connection established on the predetermined port by GPS 22 to PPS 18 in step 24, PPS 18, acting as a client to GPS 22, sends a connection notification request to GPS 22 (step 30). The connection notification request contains the port number information derived from the port to service map as the destination of the connection request. The port number information used by PPS 18 is based on the list of map port numbers sent by GPS 22 to PPS 18 in step 24. Thus, the connection notification request informs GPS 22 of the host to which user terminal 2 wishes to communicate with.

Yarborough, Col. 6, lines 39 to 49.

Thus, Yarborough taught that the PPS selected a port number from a port to service map for the host and sent that information to the GPS. However, the GPS controlled the ports used to communicate with the PPS. Specifically,

. . . Upon system initialization, GPS 22 initiates communications with PPS 18 through internal firewall 20 (step 24). In other words, GPS 22 establishes the connection outbound from itself to PPS 18, thereby requiring only one logical communication port to be opened between GPS 22 and PPS 18. The establishment of the connection by GPS 22 to PPS 18 is hereinafter referred to as the main proxy control connection. (Emphasis Added.

Yarborough, Col. 5, line 67 to Col. 6, line 7

. . . .There is still no complete logical connection for user data traffic between user terminal 2 and host 4. This is the case because a data communication path between GPS 22 and PPS 18 has not yet been established, only the main proxy control connection has been established.

After initiating the connection to host 4 using socket 3, GPS 22 makes another connection to PPS 18 outbound through internal firewall 20 using new socket S2 (step 38). The new connection between GPS 22 and PPS 18 is a connection different than the main proxy control

connection which remains available for the communication of other connection requests from user terminals 2. GPS 22 uses this new connection and sends a connection reply to PPS 18 containing the end-points for connection S3 to the destination host 4 (step 40). The connection reply sent during step 40 is a standard proxy connection reply, known to those of ordinary skill in the art.

Once this client request is accepted by PPS 18, GPS 22 spins off a new processing thread which reads communication data from socket S2 and forwards to socket S3, and vice versa (step 42). In other words, GPS 22 socket S3 is used to communicate with the desired host 4, and GPS 22 socket S2 is used to communicate through firewall 20 to PPS 18. The processing thread in GPS 22 facilitates data transport between sockets S2 and S3.

Yarborough, Col. 7, lines 5 to 28.

Thus, Yarborough taught that the PPS only provided the port for the host to the GPS. The GPS selected the socket to communicate with the port on the host and the GPS established the connection to the PPS for communications and data transfer associated with the request from the user. This fails to teach the invention of Claim 1 to the same level of detail where the network connect module of the client proxy device includes mapping rules including "information on establishing the data transmission link between the client proxy device and the proxy server," as well as "connection information of at least one port of the proxy server to at least one port of the at least one network server." Since the PPS, which the rejection equated to the client proxy device, specifies only the port number for the host, Yarborough not only fails to teach the invention of Claim 1 to the same level of detail, but also teaches away from such a device by teaching that the GPS maintains such information and does not communicate the information to the PPS. Applicants respectfully request reconsideration and withdrawal of the anticipation rejection of Claim 1.

Claims 2 to 4, 11, 12, 14, 15, and 17 depend from Claim 1 and so distinguish over Yarborough for at least the same

reasons as Claim 1. Applicants respectfully request reconsideration and withdrawal of the anticipation rejection of each of Claims 2 to 4, 11, 12, 14, 15, and 17.

Applicants respectfully traverse the obviousness rejection of Claim 53. Claim 53 includes limitations similar to those discussed above in Claim 1. Accordingly the above comments with respect to Claim 1 are also applicable to Claim 53, and incorporated herein by reference. Therefore, Claim 53 distinguishes over Yarborough. Applicants respectfully request reconsideration and withdrawal of the anticipation rejection of Claim 53.

Claims 10, 18 to 25, 27 to 29, 31, 32, 34 to 43, 45 to 47, 49, 50, and 52 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Yarborough in view of U.S. Patent No. 6,304,969, herein after referred to as Wasserman.

Applicants respectfully traverse the obviousness rejection of Claim 10. Assuming the combination of references is correct, the additional information cited in Wasserman fails to correct the deficiency of the primary reference as noted above with respect to Claim 1 from which Claim 10 depends. Therefore, Claim 10 distinguishes over the combination of references for at least the same reasons as give above for Claim 1, which are incorporated herein by reference. Applicants respectfully request reconsideration and withdrawal of the obviousness rejection of Claim 10.

The obviousness rejection next addressed Claim 36. Applicants respectfully traverse the obviousness rejection of Claim 36. Claim 36 includes limitations similar to those discussed above in Claim 1. Accordingly the above comments with respect to Claim 1 are also applicable to Claim 36. Assuming the combination of references is correct, the additional information cited in Wasserman fails to correct the deficiency of the primary reference as noted above with respect to Claim 1, and incorporated herein by reference. Therefore,

Claim 36 distinguishes over the combination of references. Applicants respectfully request reconsideration and withdrawal of the obviousness rejection of Claim 36.

Claims 37, 38, 42, 45 to 47, 49, 50 and 52 depend from Claim 36 and so distinguish over the combination of references for at least the same reasons as Claim 36. Applicants respectfully request reconsideration and withdrawal of the obviousness rejection of each of Claims 37, 38, 42, 45 to 47, 49, 50 and 52.

Claim 18 stands rejected for the same reasons as Claim 36. Claim 18 is a method claim that includes limitations similar to those discussed above with respect to Claim 36. Accordingly, the above comments with respect to Claim 36 are applicable to Claim 18 and are incorporated herein by reference. Applicants respectfully request reconsideration and withdrawal of the obviousness rejection of Claim 18.

Claims 19, 20, 24, 27 to 29, 31, 32 and 34 depend from Claim 18 and so distinguish over the combination of references for at least the same reasons as Claim 18. Applicants respectfully request reconsideration and withdrawal of the obviousness rejection of each of Claims 19, 20, 24, 27 to 29, 31, 32 and 34.

Claim 35 stands rejected for the same reasons as Claim 36. Claim 35 is a computer program product claim that includes limitations similar to those discussed above with respect to Claim 36. Accordingly, the above comments with respect to Claim 36 are applicable to Claim 35 and are incorporated herein by reference. Applicants respectfully request reconsideration and withdrawal of the obviousness rejection of Claim 35.

Claims 9 and 13 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Yarborough in view of U.S. Patent No. 6,104,716, hereinafter referred to as Crichton.

Applicants respectfully traverse the obviousness rejection of each of Claims 9 and 13. Assuming arguendo that the

combination of references is correct, the additional information from Crichton fails to correct the defects of the primary reference as noted above for Claim 1 from which these claims depend. The above comments, with respect to Claim 1, are incorporated herein by reference. Applicants respectfully request reconsideration and withdrawal of the obviousness rejection of each of Claims 9 and 13.

Claims 26, 30, 44, and 48 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Yarborough in view of Wasserman and further in view of Crichton

Applicants respectfully traverse the obviousness rejection of each of Claims 26, 30, 44, and 48. Assuming arguendo that the combination of three references is correct, the additional information from the third reference taken with the information from the two primary references fail to correct the defects of the primary combination of references as noted above for the corresponding independent claims from which these claims depend. The above comments, with respect to each of the corresponding independent claims, are incorporated herein by reference. Applicants respectfully request reconsideration and withdrawal of the obviousness rejection of each of Claims 26, 30, 44, and 48.

Claims 16 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Yarborough in view of of U.S. Patent No. 6,138,162, hereinafter referred to as Pistriotto.

Applicants respectfully traverse the obviousness rejection of Claim 16. Assuming arguendo that the combination of references is correct, the additional information from the second reference fails to correct the defects of the primary reference as noted above for Claim 1 from which Claim 16 depends. The above comments, with respect to Claim 1 are incorporated herein by reference. Applicants respectfully request reconsideration and withdrawal of the obviousness rejection of Claim 16.


Claims 33 and 51 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Yarborough in view of Wasserman and further in view of Pistriotto

Applicants respectfully traverse the obviousness rejection of each of Claims 33 and 51. Assuming arguendo that the combination of three references is correct, the additional information from the third reference taken with the information from the two primary references fail to correct the defects of the primary combination of references as noted above for the corresponding independent claims from which these claims depend. The above comments, with respect to each of the corresponding independent claims, are incorporated herein by reference. Applicants respectfully request reconsideration and withdrawal of the obviousness rejection of each of Claims 33 and 51.

Claims 1 to 5, 7, 9 to 20, 24, 26 to 38, 42, and 44 to 53 remain in the application. Claims 1 to 4, 7, 18, 24, 35, 36, 42 and 53 have been amended. Claims 6, 8, 21 to 23, 25, 39 to 41 and 43 have been cancelled. For the foregoing reasons, Applicant(s) respectfully request allowance of all pending claims. If the Examiner has any questions relating to the above, the Examiner is respectfully requested to telephone the undersigned Attorney for Applicant(s).

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on February 23, 2006.



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February 23, 2006
Date of Signature

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